Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/02/2018 10:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125621	0	2.05	125510	1.99
Blue	F	SSC	125000	123625	-2	3.41	123995	3.25
Blue	E	FITC	23615	22611	-5	3.00	1010	10.69
Blue	D	PE	26739	26336	-2	2.48	946	10.35
Blue	B	PerCP-Cy5-5	48339	47080	-3	3.85	1359	17.21
Blue	A	PE-Cy7	45021	45050	0	5.54	698	37.49
Red	C	APC	53064	51950	-3	2.93	2978	9.67
Red	A	APC-Cy7	57175	56075	-2	2.86	1180	11.46
Violet	B	V450	14728	14048	-5	4.90	671	9.73
Violet	A	V500	58621	56818	-4	4.71	2510	6.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19574	3.19	611	-3	N/A	N/A	Pass
Blue	F	SSC	61052	1.89	557	11	N/A	N/A	Pass
Blue	E	FITC	113	40.59	548	0	0.0196	189	Pass
Blue	D	PE	207	30.81	540	4	0.1494	269	Pass
Blue	B	PerCP-Cy5-5	211	47.22	638	3	0.0099	157	Pass
Blue	A	PE-Cy7	72	131.79	698	5	0.0107	20	Pass
Red	C	APC	342	29.35	602	5	0.0198	128	Pass
Red	A	APC-Cy7	129	42.74	585	5	0.0053	2056	Pass
Violet	B	V450	81	42.60	463	-7	0.0404	1611	Pass
Violet	A	V500	183	23.45	490	-7	0.0154	726	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/02/2018 10:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.56	-30.95	0.94
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	16.08	14.40 - 21.60	N/A	N/A	30.62	31.26	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11033

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments